

ABSTRACT OF THE DISCLOSURE

A fastener delivery and installation system is provided that comprises an end effector mounted on an automated machine and operable to drill a hole through a workpiece and insert a fastener through the hole, and a
5 fastener feed unit operable with the automated machine to deliver the fasteners through the end effector and into the workpiece. Further, a hand-held tool is operable against a second surface of the workpiece and is aligned with the end effector. Once the hand-held tool is positioned properly, a magnetic field is generated and the workpiece is clamped to enable the end effector to drill a hole
10 through the workpiece and insert a fastener therethrough. Additionally, a detector is located on the hand-held tool for generating guidance information to inform an operator where to move the hand-held tool so as to align the hand-held tool with the end effector.